

Title:	iVMS-4500 Android Mobile Client Software Manual				
Date:		Version:	1.0	Pages	14
Product:	All Hikvision IP				
Action Required:	Information Only				

This manual applies to iVMS-4500 (Android) mobile client software, please read it carefully before installing. The contents in this manual are subject to change without notice.

Chapter 1 Introduction

1.1 Overview

iVMS-4500 (Android) mobile client software, which is based on Android OS, can be used to remotely monitor the live video from Hikvision embedded DVR, IP camera, IP speed dome and DVS via wireless network, including PTZ control.

With this software installed in your mobile device, you are able to log on to the front-end device via WIFI, 2G or 3G, additionally, if there is no public IP available, it's accessible by using a dynamic name, or by forwarding ports to the public IP of router.

1.2 System Requirements

Hardware: CPU 500MHz or higher, available RAM at least 15MB

Software: Android OS V1.6 and above

1.3 Performance Description

Mobile Client	Number of devices	Manage maximum 16 IP devices
	Stream Type	Sub stream
	Frame Type	BBP or single P
	Frame Rate	1~8FPS (depends on the performance of mobile device)
	Resolution	QCIF, CIF
	Stream Type	Video
	Bit Rate	32~512Kbps (depends on the net environment)

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Chapter 2 Running Software

After acquiring the installation package 'iVMS-4500.apk', you may install it from mini SD card or by using PC suite and tool provided by cell phone manufacturer.

After install the software successfully, the  icon will be arranged on desktop, click it to start the program.

2.1 Login Software

User needs to register as administrator if this application is being used for the first time: enter the user name and password in the register interface, and then click 'Register' to complete.



If this is not the first time running this application, the user name that was used last will be the default user name.

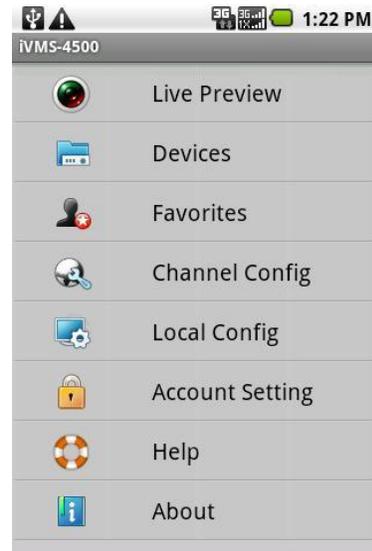
Before login, you may check 'Auto Login' to save password and this application will login automatically next time.



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2.2 Main Menu

Click 'Login' to log on to the application, main menu interface appears.



Main menu description

Main Menu	Descriptions
Live Preview	Live preview and PTZ control
Devices	Add new device, delete device, device's information
Favorites	Define specific channels to your favorites
Channel Config	Configure camera's stream type, resolution, frame rate and bit rate, etc
Local Config	Configure the access point and speed for PTZ control
Account Setting	Password modification
Help	Help document
About	Software version

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Chapter 3 Device Management

The device list is empty by default.

3.1 Add Device

Click 'Devices' icon on the main menu to enter devices management interface, click 'MENU' button, then select 'Add' you will be taken to a new device configuration interface.



The screenshot shows the 'New Device' configuration screen. The fields are: Device name (empty), Register mode (IP), Address (empty), Port (8000), User name (admin), Password (masked with dots), and Chan No. (16).

You can select either 'IP' or 'Domain' register mode to login the device, domain mode is for the case that there is no fixed IP address available.



The screenshot shows the 'New Device' configuration screen with the following values: Device name (Demo), Register mode (IP), Address (192.168.1.128), Port (8000), User name (admin), Password (masked with dots), and Chan No. (16).

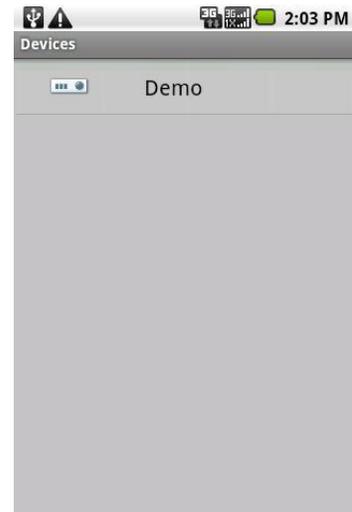
Parameters description

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Parameters	Descriptions
Device name	Define a name for the device
Register mode	IP or DDNS
Address	IP address/dynamic name address
Port	Traffic port of device
User name	Device's user name
Password	Device's password
Chann No.	The number of cameras

Click 'Menu' to save the settings, device is successfully added to this application.

The newly added device will be shown in the devices list, you can either click 'Add' to add more devices or click 'iVMS-4500' to exit and return to main menu.



3.2 Modify & Delete Device

Select a device in the list you will see the detail of the parameters configured, you may click 'MENU' button to pop up options, then you can modify the parameters or just delete it.

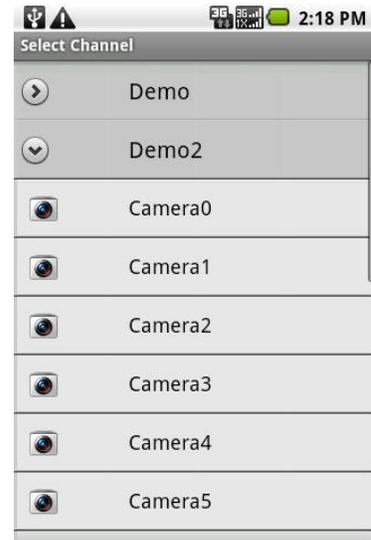


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Chapter 4 Camera Configuration

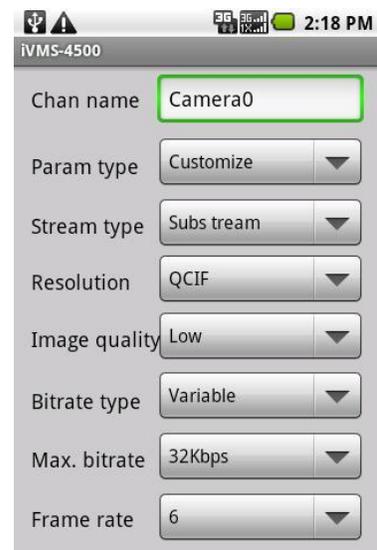
After logging into the device, you can configure the preview parameters for each camera according to your net environment.

Click  icon on the main menu to enter camera configuration interface, select the desired device and a camera



Configure stream type, resolution, image quality, bit rate, frame rate, etc.

After finishing the parameters adjustment, click 'MENU' button to save the settings.



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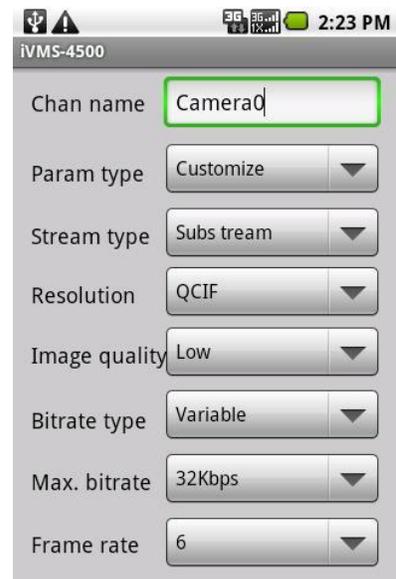
Camera parameters description

Parameters	Description
Chan. name	Define a name for the camera
Para. type	You can select customize or general
Encoding para.	You can select main stream or sub stream for live preview
Resolution	CIF or QCIF
Image quality	6 levels of image quality
Bitrate type	Variable or constant bit rate
Max. bitrate	The maximum bit rate of each camera, you need to configure it according to the net environment.
Frame rate	Frame rate of the camera

The parameters type can be 'Customize' or 'General', if select 'customize', then all of parameters are configurable, otherwise, the channel parameters will be fixed and not allowed to be adjusted.

General parameters

Parameters	Descriptions
Encoding para.	Sub stream
Stream type	Video
Resolution	QCIF
Image quality	Low
Bitrate type	Variable
Max. bitrate	32Kbps
Frame rate	6FPS



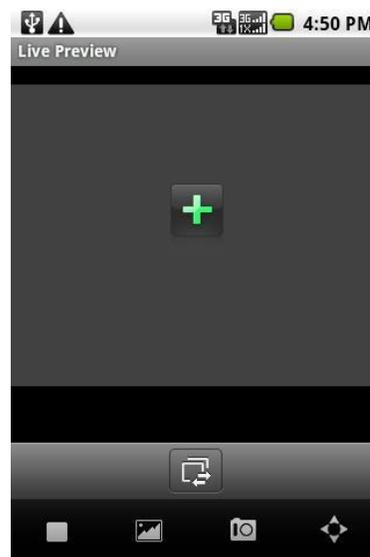
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Chapter 5 Live Preview

After the proper parameters are configured, camera preview and PTZ control functions are available.

5.1 Live Preview

Enter live preview interface by clicking  icon on the main menu, the preview interface appears.



Button definitions

Buttons	Descriptions	Buttons	Descriptions
	Cameras selection		Switch camera for previewing
	Stop playing		Adjust video quality
	Picture capture		
	Call out PTZ control panel		

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Preview

Click  or  to go to camera selection interface
Select the desired camera to start playing.

Click  button you can stop playing the selected camera, and you may click  button to select another camera.

Note: the picture capture function is reserved and not available in this version.



Adjust video quality

To adjust the video quality during playing, clicking  button will pop up three options 'L', 'M' and 'H', they represent the following settings for sub stream respectively:

Parameters	Options		
	L	M	H
Resolution	QCIF	QCIF	CIF
Image quality	higher	higher	higher
Bitrate type	constant	constant	constant
Max. bitrate	32Kbps	128Kbps	256Kbps
Frame rate	4FPS	8FPS	6FPS

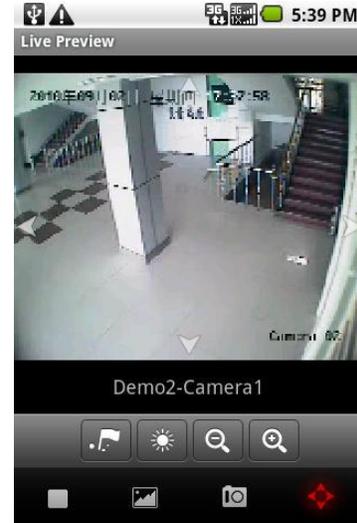


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5.2 PTZ Control

Click  button to enter PTZ control interface,

There are four direction icons on the screen, click any of the icons to control the pan or tilt position.



PTZ control buttons definitions

Buttons	Descriptions
	Presets setting/calling
	Brightness setting
	Zoom out
	Zoom in

Presets settings and calling

In the PTZ control mode, adjust the camera to right pan/tilt position first, then click  to enter preset setting/calling interface, enter a number and click 'Set' button to complete setting.

Click 'Call' button you will call the existed preset.



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Brightness Adjustment

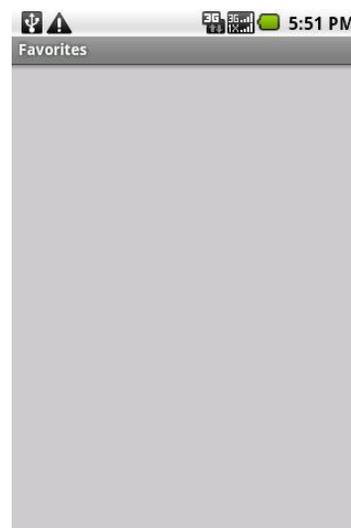
Click '☀️' icon, then brightness adjustment slider appears.



Chapter 6 Group Management

Group management is a function that groups the camera and makes the preview easier when only viewing some specific cameras.

In the main menu interface, click  to enter group management interface, there are no cameras under 'Favorites', so you need to add cameras at this point.

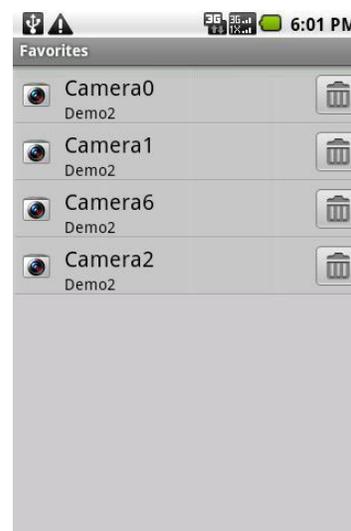


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Click the 'MENU' button to go to camera selection interface, unfold the camera list and select the desired cameras, a message will appear once a camera is successfully added.

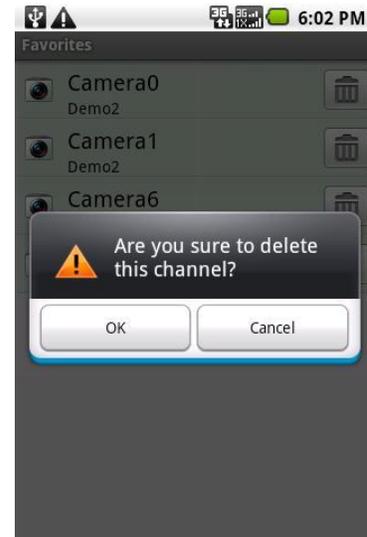


After finishing the camera selection, click 'Return' button to exit camera selection, now you may see the selected cameras are all included.



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Click in the list, a warning message appears, you can click 'OK' to delete it or 'Cancel' to abort.



Now, navigate to the live preview interface, you can select the cameras directly from 'Favorites' for preview.

Chapter 7 Others

Local Configuration

Click  icon on the main menu, you will be taken to the local configuration interface.

Click 'WirelessSetting' button to configure the way to access device, select the desired way to login this application when automatic login and password required.

Drag the slider in 'PTZ step' to adjust the speed in pan and tilt directions, there are seven steps in all, among these steps, the higher level you set the higher speed in pan and tilt you will reach.

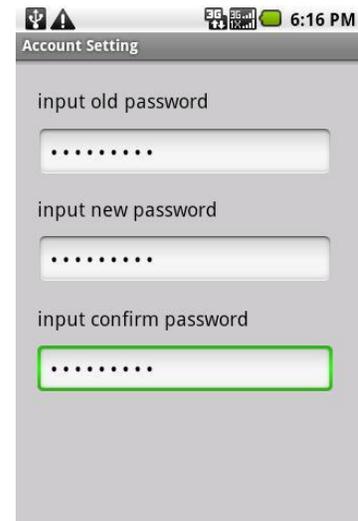
After adjust the parameters, press 'MENU' and then click  button to complete.



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Password Modification

Click  on the main menu you can enter password modify interface to change your current password. Enter old password, new password and then confirm new password, press 'MENU' button and then click  button to complete.



About

Click  in the main menu, you will get the information such as version, build date. For help, you can click  to open the help document.

Chapter 8 Troubleshooting

- 1. What kinds of devices are compatible with iVMS-4500 mobile client software?*
The encoders which utilize H264 codec are compatible with this software, such as embedded DVR, DVS, IP camera and IP speed dome; it also requires this software to be used with devices which support dual stream.
- 2. Why does the mobile client software prompt 'login failed' when accessing the device via WIFI?*
Please check the network settings, and also make sure that the device is always online and accessible.
- 3. While previewing the video, why does the response of the mobile device become very slow and the video sometimes freezes?*
This problem may be due that the lower performance of your mobile device, please try to preview less cameras at the same time, or decrease the frame rate and resolution.